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This listing of claims replaces all prior versions, and listings, of claims in this application.

## Amendments to the Claims:

1. (Currently Amended) A transparent, non-elastomeric, high hardness, impact resistant polyurethane material comprising the reaction product of:

- (a) a polyurethane prepolymer prepared by reaction of an aliphatic or cylcoaliphatic diisocyanate with (i) at least one OH-containing intermediate having a weight average molecular weight of from about 400 to about 2000 selected from the group consisting of polyester glycols, polycaprolactone glycols, polyether glycols, polycarbonate glycols, and mixtures thereof, and (ii) a triol in an amount equal to 0.01 to 0.5 equivalents based upon a total of 1.0 equivalents of (i) and (ii), and wherein the diisocyanate is reacted with the triol and OH-containing intermediate in an equivalent ratio of about 2.5 to 4.0 NCO/1.0 OH; and
- (b) at least one aromatic diamine curing agent selected from the group consisting of 2,4-diamino-3,5-diethyl-toluene, 2,6-diamino-3, 5-diethyl-toluene 2,6-diamino-3,5-diethyl-toluene and mixtures thereof in an equivalent ratio of about 0.85 to 1.02 NH<sub>2</sub>/1.0 NCO.
- 2. (Original) The polyurethane material of claim 1, wherein the triol is added in an amount equal to 0.01 to 0.2 equivalents based upon a total of 1.0 equivalents of (i) and (ii).
- 3. (Original) The polyurethane material of claim 1, wherein the triol is added in an amount equal to 0.06 to 0.15 equivalents based upon a total of 1.0 equivalents of (i) and (ii).
- 4. (Original) The polyurethane material of claim 1, wherein the polyurethane material is the reaction product of said polyurethane prepolymer, said at least one first diamine

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curing agent, and at least one second diamine curing agent selected from the group consisting of compounds of the formula:

$$R_1$$
 $R_2$ 
 $R_3$ 
 $R_3$ 
 $R_2$ 

wherein R<sub>1</sub> and R<sub>2</sub> are each independently selected from the group consisting of methyl, ethyl, propyl and isopropyl groups and R<sub>3</sub> is selected from the group consisting of hydrogen and chlorine.

- 5. (Original) The polyurethane material of claim 1, wherein the cycloaliphatic diisocyanate is selected from the group consisting of 4,4'-methylenebis(cyclohexyl isocyanate), 3-isocyanato-methyl-3,5,5-trimethylcyclohexyl-isocyanate, meta-tetramethylxylene diisocyanate, and mixtures thereof.
- 6. (Original) The polyurethane material of claim 1, wherein the polyurethane material has a heat distortion temperature of at least 210°F at 264 psi.
- 7. (Original) The polyurethane material of claim 1, wherein the polyurethane material has a heat distortion temperature of at least 250°F at 264 psi.
- 8. (Original) The polyurethane material of claim 1, wherein the polyurethane material has a heat distortion temperature of at least 300°F at 264 psi.
- 9. (Original) The polyurethane material of claim 1, wherein the polyurethane material is optically clear having a luminous transmittance of at least about 80%.

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10. (Original) The polyurethane material of claim 1, wherein a 0.25-inch thick sheet of the polyurethane material has a V-50 0.22 caliber FSP rating of at least 1100 feet per second.

- 11. (Original) The polyurethane material of claim 1, wherein the diamine curing agent is reacted with the prepolymer in an equivalent ratio of about 0.90 to 1.0 NH<sub>2</sub>/1.0 NCO.
- 12. (Currently Amended) The polyurethane material of claim 1, wherein the weight average molecular weight of the OH-containing intermediate is from about 400 to about 1000, and the OH-containing intermediate is selected from the group consisting of: (a) esterification products of adipic acid with one or more diols selected from the group consisting of 1,4-butanediol, 1,6-hexanediol, neopentyl glycol, and 1,10-decanediol; (b) reaction products of E-eaprolactone epsilon-caprolactone with one or more diols selected from the group consisting of 1,4-butane diol, 1,6-hexane diol, neopentyl glycol, and 1,10-decanediol; (c) polytetramethylene glycol; (d) aliphatic polycarbonate glycols; and (e) mixtures of such OH-containing intermediates.
- 13. (Original) The polyurethane material of claim 1, wherein the cycloaliphatic diisocyanate is an isomeric mixture of 4-4'-methylenebis(cyclohexyl isocyanate) which comprises at least 20 percent of the trans,trans isomer of 4,4'-methylenebis(cyclohexyl isocyanate).
- 14. (Original) The polyurethane material of claim 1, wherein the prepolymer further comprises a UV-stabilizer selected from the group consisting of benzotriazoles, hindered amine light stabilizers and mixtures thereof.

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(Original) The polyurethane material of claim 1, wherein the prepolymer further 15. comprises an anti-oxidant, which is a multifunctional hindered phenol.

- (Original) The polyurethane material of claim 1, wherein the polyurethane 16. material has a stress craze resistance of >7000 pounds per square inch when measured using isopropanol.
- (Original) The polyurethane material of claim 1, wherein said diamine curing 17. agent is color-stabilized.
- (Original) An eyewear lens made from the polyurethane material according to 18. claim 1.
- (Original) The eyewear lens of claim 18, wherein said lens is selected from the 19. group consisting of sun lenses, ophthalmic lenses and protective lenses.
- (Currently Amended) A transparent non-elastomeric, high hardness, impact 20. resistant polyurethane material comprising the reaction product of:
- a polyurethane prepolymer prepared by reaction of a diisocyanate selected from (1) the group consisting of 4,4'-methylenebis(cyclohexyl isocyanate), 3-isocyanato-methyl-3,5,5trimethylcyclohexyl-isocyanate, meta-tetramethylxylene diisocyanate, and mixtures thereof with (a) at least one OH-containing intermediate having a weight average molecular weight of from about 400 to about 2000 selected from the group consisting of: (i) esterification products of adipic acid with one or more diols selected from the group consisting of 1,4-butanediol, 1,6hexanediol, neopentyl glycol, and 1,10-decanediol; (ii) reaction products of E-caprolactone epsilon-caprolactone with one or more diols selected from the group consisting of 1,4-butane

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diol, 1,6-hexane diol, neopentyl glycol, and 1,10-decanediol; (iii) polytetramethylene glycol; (iv) aliphatic polycarbonate glycols; and (v) mixtures of such OH-containing intermediates, and (b) a triol in an amount equal to 0.06 to 0.15 equivalents based upon a total of 1.0 equivalents of (a) and (b), and wherein the diisocyanate is reacted with the triol and OH-containing intermediate in an equivalent ratio of about 2.5 to 4.0 NCO/1.0 OH; and

at least one diamine curing agent selected from the group consisting of 2,4-(2) diamino-3,5-diethyl-toluene, 2,6-diamino-3,5-diethyl-toluene, and mixtures thereof, in an equivalent ratio of about 0.95 to 1.02 NH<sub>2</sub>/ 1.0 NCO, wherein the polyurethane material has a heat distortion temperature of at least 300°F at 264 psi.